

Project Specific Certification Plan (PSCP)

Tracy Ton
L.A. ACO

INTRODUCTION

- “The FAA and Industry Guide to Product Certification” paper published on Jan. 25, 1999 by FAA ACS, AIA, and GAMA (Notice N8110.80)
- Promotes Effective, Efficient Product Certification Process and Improves Working Relationship Between FAA and an Applicant
- Two primary tools of the certification process
 - Partnership for Safety Plan (PSP)
 - Project Specific Certification Plan (PSCP)

PSCP ?

- Project Specific Certification Plan
- A Certification Plan Between FAA and Applicant for a Specific Project.
- Approved by ACO Manager and Applicant's Certification Manager
- A Living Document Which Is Managed and Maintained Jointly by FAA and the Applicant.



PSCP PURPOSE

- Expedite Certification of Product Under Standardized Procedures
- Foundation to Build Mutual Trust, Team Work and Efficient Business Practices
- Define up Front All Aspects of Product and Production Certification



PSCP CONTENTS

- PRODUCT CERTIFICATION
- PRODUCTION CERTIFICATION
- POST CERTIFICATION REQUIREMENTS
- PROJECT ISSUES PLANNING
- CONTINUOUS IMPROVEMENT
- SIGNATORIES



PSCP Details Can Be Found in the "FAA and Industry Guide to Product Certification", January 25, 1999.

PRODUCT CERTIFICATION



- Project Description
- Project Schedule
- Certification Basis
- Methods of Compliance
- Communication and Coordination
- Delegation
- Testing Plan
- Compliance Documentation

PSCP PRODUCT CERTIFICATION PROJECT SCHEDULE

- Schedule Adheres to 8110.4 Process Flow
- Detailed Project Schedule identifying
 - All major milestones
 - Appropriate Project Management Reviews
 - Issue Papers with prioritization and resolution plan
- Realistic Schedules -- Take into accounts FAA and Applicants Total Workloads and other Resource Commitments.

PSCP PRODUCT CERTIFICATION DELEGATION

- FAA Designees Will Be Utilized to Greatest Extent Possible
- Oversight and Documentation Requirements of Designees Identified and Agreed To.
- Document Which Aspects of Project are Delegated
- Document Delegation Stipulations, Coordination or Limitations

PSCP PRODUCT CERTIFICATION TESTING PLAN

- Outline Development Tests Coordination with FAA Engineering, Flight Test and ASI.
- State Unique Requirements for planning, preparation, and conduct of FAA Flight Tests
- Detail FAA Conformities Requirements and Applicant's Role.

PSCP PRODUCT CERTIFICATION COMPLIANCE DOCUMENTATION

- Describe Procedures for Submittal and Processing of Compliance Documentation
- Account for All Data (Not Just Drawings)
- Document the Time Needed for Review, Disposition, and Approval/Acceptance of the Data.

PRODUCTION CERTIFICATION

- Outline Production Quality Project Issues
 - Approval of new materials, processes, suppliers, etc.
 - Undue burden assessment
 - Instructions for assembly and test of final product
 - Engineering Coordination on MRB requirements
 - Production controls as result of Airworthiness Limitations or criticality of parts
 - Configuration Control requirements
- State How They Will Be Managed to Permit Early Production Approval

POST CERTIFICATION REQUIREMENTS

- COMPLIANCE SUMMARY DOCUMENT
 - A Summary at End of Project to Capture and Retain Corporate Knowledge Learned.
- ICA
 - Document a Program in Place to Insure Instructions for Continued Airworthiness (ICA) Is Completed Prior to Issuance of SAC/1st Aircraft Delivery.
- CONTINUED AIRWORTHINESS
MANAGEMENT
 - Document How FAA and Applicant Will Handle Continued Airworthiness Issues

PROJECT ISSUE PLANNING

- FAA P.M. And Applicant Jointly Maintain a Project Issue Tracking List
- TRACKING LIST Should Include:
 - Project Issues
 - Show-Stoppers Issues
 - Plan and milestones for resolution
 - Responsible team members

CONTINUOUS IMPROVEMENT

- Performance Measures -- Define the Operating Norms for All Project Phases.
 - Schedule Milestones
 - Action Items, Significant Issues Resolution
 - Quality of Submittals
 - Task Re-accomplishment
 - Others
- Project Evaluation Form Should Be Prepared at the Close of Each Phase of the Project.

SIGNATORIES

- The PSCP Is Typically Signed by the Following:
 - FAA ACO Manager
 - FAA Project Manager
 - FAA MIDO Manager(s)
 - FAA Standards Staff Project Officer
 - FAA AEG Inspector
 - Applicant Certification Manager
 - Applicant Project Manager
 - Applicant Project Quality Manager
 - FAA Standards Staff Manager
 - FAA Designees